

In The Claims:

Claim 1, cancel.

Claims 2, 3, 5, 8, 11, 13-17, 19, 27, 28, and 35, amend to read as follows:

A1 Sub B1
2. (Amended) In a device for minimally invasive applications, the improvement comprising: a structure for at least positioning and bending a distal end of the device, said structure including a quantity of shape memory alloy and a quantity of shape memory polymer,

said shape memory alloy having a longitudinally extending coiled configuration with more than one wrap, and wherein said shape memory polymer has a cylindrical configuration.

sub C1
3. (Amended) The improvement of Claim 2, wherein said shape memory alloy is embedded within said shape memory polymer.

A2
sub C1
5. (Amended) The improvement of Claim 2, wherein said coil configuration is longitudinally compressed and retained in said shape memory polymer so as to define a hollow tube having said coil configuration embedded in a wall surface thereof.

A3 Sub B2
8. (Amended) The improvement of Claim 2, including a plurality of structures each having a longitudinally extending coiled configuration of shape memory alloy located within a cylindrical configuration of shape memory polymer.

A4 Sub B4
11. (Amended) In a device for minimally invasive applications, the improvement comprising: a structure for at least positioning and bending a distal end of the device, said structure including a quantity of shape memory alloy and a quantity of shape memory polymer,

Sub B4
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said quantity of shape memory polymer is in a tubular configuration, and wherein said quantity of shape memory alloy is wrapped around at least a portion of the tubular configuration.

13. (Amended) The improvement of Claim 2, wherein said quantity of shape memory alloy is composed of NiTiCu.

A5
Sub B5
Sub C1
14. (Amended) The improvement of Claim 2, wherein said quantity of shape memory alloy is composed of a plurality of shape memory alloy strips.

15. (Amended) The improvement of Claim 2, wherein said quantity of shape memory polymer has a closed tubular configuration.

16. (Amended) The improvement of Claim 15, wherein said quantity of shape memory alloy has a closed tubular configuration located within said tubular configuration of shape memory polymer.

Sub C1
17. (Amended) The improvement of Claim 15, wherein said quantity of shape memory alloy is composed of a plurality of strips, and wherein said strips are located in a wall surface of said tubular configuration of shape polymer.

A4
Sub C1
19. (Amended) The improvement of Claim 17, wherein said plurality of strips are in a spaced longitudinal relationship.

A7
27. (Amended) The improvement of Claim 26, wherein said plurality of ribbons are of mesh configuration and mounted to a said tubular configuration as support members.

28. (Amended) The improvement of Claim 2, wherein said quantity of shape memory alloy has a mesh, tubular configuration, wherein said quantity of shape memory polymer has a closed tubular configuration, and wherein said mesh, tubular configuration is embedded in said tubular configuration.

35. (Amended) A device for reversible fine positioning of an object, comprising:

a member constructed of shape memory polymer, at least one member constructed of shape memory alloy located in or adjacent to said member constructed of shape memory polymer, and means for selectively heating said members to cause a change in configuration thereof, whereby the change in configuration results in reversible positioning thereof.